[

BANGALORE WATER SUPPLY AND SEWERAGE BOARD

18th cross, Suvarna Bhavana, Margosa road, Malleshwaram, Bangalore 560012.

4th CALL

Tender Document for the "Work of Supply, installation and commissioning of 80kw on grid Solar power plant on top of the Suvarna Bhavana Building @18th Cross, Malleswaram coming under the AEE (DE&PS)-2 Sub division".

(Through Karnataka public procurement Portal 2.0 only)

https://kppp.karnataka.gov.in

OFFICE OF THE EXECUTIVE ENIGINEER
(DE & PS) DIVISION.
BANGALORE WATER SUPPLY & SEWERAGE BOARD
18th cross, Malleswaram, Bangalore 560012
Telephone – 080-29917885

TENDER REFERENCE :	No :BWSSB/EDEPSTE/AE/ 229 /2022-23 DATED:11-07-2023
NAME OF THE WORK	Work of Supply, installation and commissioning of 80kw on grid solar power plant on top of the Suvarna Bhavana Building @ 18th cross, Malleshwaram coming under AEE(DE&PS)-2 sub division.
LAST DATE AND TIME FOR RECEIPT OF TENDERS	20-07-2023 upto 11:00 AM hrs
TIME AND DATE OF OPENING OF TECHNICAL TENDERS	21-07-2023 after 11:30AM hrs
PLACE OF OPENING OF TECHINCAL TENDERS	Office of the Executive Engineer, DE & PS Division, BWSSB, 18th Cross, Malleshwaram, Bangalore - 560 012, Karnataka,
TIME AND DATE OF OPENING OF PRICE TENDERS	-
PLACE OF OPENING OF PRICE TENDER	Office of the Executive Engineer, DE & PS Division, BWSSB, 18th Cross, Malleshwaram, Bangalore - 560 012, Karnataka.
ADDRESS FOR COMMUNICATION	Office of the Executive Engineer, DE & PS Division, BWSSB, 18th Cross, Malleshwaram, Bangalore - 560 012, Karnataka.

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BANGALORE WATER SUPPLY AND SEWERAGE BOARD
Office of The Executive Engineer (DE & PS) Division.
18th cross, Margosa Road, Malleswaram, Bangalore-560012

INVITATION FOR SHORT TERM TENDER FOR 7 DAYS-3rd CALL

(ONLY THROUGH KARNATAKA PUBLIC PROCUREMENT PORTAL)

IFT No.: BWSSB/EDEPSTE/AE/ 229 /2022-23 Dtd:11-07-2023

SECTION 1

INVITATION FOR TENDERS (IFT)

1. The Executive Engineer, (DE & PS) Division, BWSSB, Bangalore-560012 invites tender from eligible tenderers for the "Work of Supply, installation and commissioning of 80kw on grid solar power plant on top of the Suvarna Bhavana Building @ 18th cross, Malleshwaram coming under AEE(DE&PS)-2 sub division.. As detailed in the Table below. The tenderers may submit tender for the work given in the Table. Two Cover Tender procedure as per Rule 28 of the KTPP Act shall be followed. The Tenders are required to submit two separate sealed covers, one containing the Earnest money deposit and the details of their capability to undertake the tender (as detailed in ITT Clause 3 and 6),which will be opened first and the second cover containing the price tender will be opened only if the tenderer is found to be qualified to execute the tender work. The **Tenderers are advised to note the minimum qualification criteria specified in Clause 3 of the Instructions to Tenderers to qualify for award of the contract.**

2. The tenderer should possess valid electrical license issued by electrical inspectorate

3. Tender documents may be downloaded through karnataka public procurement portal website. http://kppp.karnataka.gov.in web site only from 13-07-2023 to 20-07-2023. Interested tenderer may obtain further information by accessing the same web site

4. Tenders must be accompanied by earnest money deposit specified for the work in the Table below. Earnest money deposit will have to be in any one of the forms as specified in the Tender document and shall have to be valid for 45days beyond the validity of the tender.

5. The last date and time for receipt of tenders in the Electronic Tender Box in website: **http://kppp.karnataka.gov.in** is up to 20-07-2023 11:00AM hrs. The technical bids will be opened on 21-04-2023 at 11:30 hrs. If the bid-opening day remains as public holiday, bids will be opened on the next working day at the original stipulated time.

6. Work Details..

Sl No	**Name of the work**	**Tender processing fee**	**Amount put to tender Rs. in lakh (approx)**	**Bid security Rs. in lakh (EMD)**	**Period of completion**
1	"Work of Supply, installation and commissioning of 80kw on grid Solar power plant on top of the Suvarna Bhavana Building@18thcross,Malleshwaram coming under the AEE (DE&PS)-2 Sub division.	As per karnataka public procurement portal.	Rs. 52,76,214/	Rs.1,05,524/-	**3 months**

7. **Eligibility and Qualification criteria.**

i. All tenderers shall provide the requested information accurately and sufficient detail in Section 3: **Form of Tender** as per KW-3 and Qualification information.

ii. Contractors should have Electrical **contractor license** in BWSSB or KPWD/KUWSDB

iii. To qualify for award of this contract, each Tenderer in its name should have in the last five years **i.e. (2018-19 to 2022-23)**

a) achieved in at least two financial years an average annual financial turnover (in all classes of Solar On-Grid power plant works only) of **Rs.52,76,214/- .**

b) The contractor should have satisfactorily completed at least one similar Work of Supply, installation and commissioning of on grid Solar power plant in Government project of value not less than **50%** of cost of work i.e **Rs. 26,38,107/- Lakh as a prime contractor.**

c) The tenderer should be OEM(Original Equipment Manufacturer) of at least one major component in the work i.e., solar modules/inverter etc. or should have OEM support letter(MAF-Manufacturer Authorization Format).In case of MAF being submitted by the tenderer it is mandatory for the tenderer to provide the agreement entered between OEM & tenderer before entering in to agreement with BWSSB.

iv. Each Tenderer should further demonstrate:

(a) Availability by owning the following key any critical equipment for this work.

(b) (Liquid assets and / or availability of credit facilitates of not less than **Rs.15,82,864 /-** (Credit lines/ letter of credit / certificates from banks for meeting the fund requirement etc.)

v. The tenderer should have executed in any one year the following minimum quantities of work usually **80%** of the Quantity requirement i.e., 64kw solar power plant and above in Government project.

8. EMD shall be paid through OTC, NEFT, DEBIT CARD & CREDIT CARD through E –Procurement Portal Only. The value of the Bid Security / EMD is as mentioned in the table above in column no 5.

9. Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

Assessed available tender capacity = (A*N*1.5 - B) > Rs.52,76,214

Where

A = Maximum value of Solar On-Grid works executed in any one year during the last five years (updated to 2022-23 price level) taking into account the completed as well as works in progress.

N = Number of years prescribed for completion of the works for which tenders are invited.

B = Value, at 2023-24 price level, of existing commitments and ongoing works to be completed during the next one years (period of completion of the works for which Tenders are invited)

Note*: 1) The statements showing the value of existing commitments and ongoing works s well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.

2) The Form of Tender and demonstrated AATC should be duly signed by the Tenderer.

3)The Balance Sheets for the corresponding annual turnover should be enclosed and Attach Balance Sheets from Chartered Accountant.

10.Tenderers can access tender documents from **http://kppp.karnataka.gov.in** website only and upload the required details; those are mentioned in different sections in the bid document in to electronic tender on the website. Scanned documents those are required to be furnished as per Section 2, 3 & 4 of the bid document shall be submitted through e- Procurement Portal.

11 The Tender processing fee once paid will not be refunded.

12. The successful bidder would be required to give performance bank guarantee of 5% of the contract price plus additional security for unbalanced bid amount from a Nationalized / Scheduled Indian Bank, with jurisdiction at Bangalore as specified, towards guarantee for completion of work within the stipulated period. Bank guarantee in favour of The Chairman, BWSSB payable at Bangalore.

13. Applications / requisitions from joint venture Firms are not acceptable.

14. Bangalore Water Supply and Sewerage Board (BWSSB) reserves the right to cancel or annul the entire or part of this process of invitation at any time without assigning any reasons.

15. For any additional information regarding the above tender, the firms who are interested to quote, may contact office of the undersigned at the office address given below on all working days during office hours (10:30AM to 17:00PM).

Office of the Executive Engineer (DE & PS) Division.
Suvarna Bhavan Bangalore Water Supply & Sewerage Board
18th cross, Margosa road, Malleshwaram, Bangalore.
Tel: 080- 29917885.

16 Tenderers shall submit offers that comply with the requirements of the bid document.

Corrigendum / Modification / Corrections, if any will be published in the website only.

17.Amount to put tender is exclusive of GST.

18.Tenderer should inspect the site for its conditions and should upload the site inspection letter duly signed by concerned Assistant Executive Engineer. Not uploading the same, it will lead to rejection of the Tender.

Executive Engineer
DE & PS Division

SECTION 2: INSTRUCTIONS TO TENDERERS (ITT) Table of

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A. General

1. Scope of Tender

The **Executive Engineer (DE & PS)** (Referred to as Employer in these documents) invites tender through Two cover system through karnataka public procurement portal procedure, from eligible Tenderers, for the Estimate for the Work of Supply, installation and commissioning of 80kw on grid solar power plant on top of the Suvarna Bhavana Building @ 18th cross,Malleshwaram coming under AEE(DE&PS)-2 sub division.(as defined in these documents and referred to as "the works") detailed in the Table given in the Invitation for Tenders (IFT).

2. Eligible Tenderers

2.1 Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka.

2.2 **Tenders from Joint ventures are not acceptable.**

3. Qualification of the Tenderer:

3.1 All tenderers shall provide the requested information accurately and sufficient detail in Section 3: **Form of Tender** and Qualification information.

(a) Contractors should have Electrical **contractor license** in BWSSB or KPWD/KUWSDB

3.2 To qualify for award of this contract, each Tenderer in its name should have in the last five years **i.e. (2018-19 to 2022-23)**

(a) achieved in at least two financial years an average annual financial turnover (in all classes of Solar On-Grid power plant works only) of **Rs. Rs.52,76,214/-**

(b) The contractor should have satisfactorily completed at least one similar Work of Supply, installation and commissioning of on grid Solar power plant in Government project of value not less than **50%** of cost of work i.e **Rs.26,38,107/- as a prime contractor.**

(c) The tenderer should be OEM(Original Equipment Manufacturer) of at least one major components in the work i.e., solar modules/inverter etc. or should have OEM support letter(MAF-Manufacturer Authorization Format).In case of MAF being submitted by the tenderer it is mandatory for the tenderer to provide the agreement entered between OEM & tenderer before entering in to agreement with BWSSB.

3.3 Each Tenderer should further demonstrate:

(a) Availability by owning the following key any critical equipment for this work.

(b) Liquid assets and / or availability of credit facilitates of not less than **Rs. 15,82,864 /-**(Credit lines/ letter of credit / certificates from banks for meeting the fund requirement etc.)

3.4 The tenderer should have executed in any one year the following minimum quantities of work usually **80%** of the Quantity requirement i.e., 64kw solar power plant and above in Government project.

3.5 Tenderer should solely responsible for seeking necessary permissions from the concerned authorities and other charges to the concerned authorities should be borne by the tenderer for the execution of Tender Work.

3.6 To qualify for a package of contracts made up of this and other contracts for which tenders are invited in this IFT, the tenderer must demonstrate having experience and resources to meet the aggregate of the qualifying criteria for the individual contracts.

3.7 Sub-contractors experience and resources shall not be taken into account in determining the Tenderers compliance with the qualifying criteria except to the extent stated in 3.2 above.

3.8 Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

Assessed available tender capacity = (A*N*1.5 - B) > Rs.52,76,214

Where

A = Maximum value of Solar On-Grid works executed in any one year during the last five years (updated to 2022-23 price level) taking into account the completed as well as works in progress.

N = Number of years prescribed for completion of the works for which tenders are invited.

B = Value, at 2023-24 price level, of existing commitments and on-going works to be completed during the next one years (period of completion of the works for which Tenders are invited)

Note*: 1) The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.

2) The Form of Tender and demonstrated AATC should be duly signed by the Tenderer.

3)The Balance Sheets for the corresponding annual turnover should be enclosed and Attach Balance Sheets from Chartered Accountant.

3.09 Even though the Tenderers meet the above criteria, they are subject to be disqualified if they have:

- made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or

- record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or

- participated in the previous Tender for the same work and had quoted unreasonably high tender prices and could not furnish rational justification.

3.10 Tenderer will be declared as a qualified bidder based on meeting the eligibility criteria and as demonstrated based on documentary evidence submitted by the bidder in the bid.

3.11 Tenderer should inspect the site for its conditions and should upload the site inspection letter duly signed by concerned Assistant Executive Engineer. Not uploading the same, it will lead to rejection of the Tender.

B. Tender documents

4. Content of Tender documents

4.1 The tender documents shall have all the Sections given in Page 7:

4.2 Both the sets should be completed and returned with the tender.

5. Amendment of Tender documents

5.1 Before the deadline for submission of tenders, the Employer may modify the tender documents by issuing addendum.

5.2 Any addendum thus issued shall be part of the tender documents and shall be communicated in writing or by cable to all the purchasers of the tender documents.

5.3 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend as necessary the deadline for submission of tenders, in accordance with Sub-Clause 12.2 below.

C. Preparation of Tenders

6. Documents comprising the Tender.

6.1 The tender submitted by the Karnataka public procurement portal by the

Tenderer shall contain the documents as follows:

6.1.1 First Cover:

(a) Scanned copy of Earnest Money Deposit;

(b) Scanned copy of Qualification Information as per formats given in Section 3;

(c) Form of tender

6.1.2 Second Cover:

(a) The form of Tender (in the format indicated in Section 4)

(b) Priced Bill of Quantities (Section 9) for rates shall be quoted at the provision made in the Karnataka public procurement website Portal any other materials required to be completed and submitted by Tenderers in accordance with these Instructions. The documents listed under Sections 3, 4, 6 and 9 shall be filled in without exception.

6.2 Tenderers submitting tenders together with other contracts stated in the IFT to form a package will so indicate in the tender together with any discounts offered for the award of more than one contract.

7. Tender prices

7.1 The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Tenderer.

7.2 The Tenderer shall fill in rates and prices and line-item total (both in figures and words) for all items of the Works described in the Bill of Quantities along with total tender price (both in figures and words). Items for which no rate or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.

7.3 All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause, shall **be excluded** in the rates, prices and total Tender Price submitted by the Tenderer.

7.4 The rates and prices quoted by the Tenderer shall be fixed for the duration of the Contract and shall not be subject to adjustment on any account.

8. Tender validity

8.1 Tenders shall remain valid for a period not less than **ninety days** after the deadline date for tender submission specified in Clause 12. A tender valid for a shorter period **shall be rejected by the Employer as non-responsive**.

8.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the Tenderers may extend the period of validity for a specified additional period. The request and the Tenderers' responses shall be made in writing or by cable or e-mail. A Tenderer may refuse the request without forfeiting his earnest money deposit. A Tenderer agreeing to the request will not be required or permitted to modify his tender, but will be required to extend the validity of his earnest money deposit for a period of the extension, and in compliance with Clause 9 in all respects.

9. Earnest money deposit shall be paid through Karnataka public procurement Portal only using any of the following four modes.

i. **Credit card (online payment)**
ii. **Direct Debit using Internet Banking (online payment)**
iii. **Remittance at the Bank Counter –challan (off line payment)**
iv. **NEFT (Off line Payment)**

9.1 The Tenderer shall furnish, as part of his tender, earnest money deposit in the amount as shown in column 4 of the Table of IFT for this particular work. This earnest money deposit shall be in favor of Chairman, BWSSB, Bangalore and may be in the form of Banker's cheque/ Demand draft/Pay Order, in favor of Chairman, BWSSB, Bangalore payable at Bangalore from any Nationalized/ Scheduled Indian banks.

9.2 Instruments having fixed validity issued as earnest money deposit for the tender shall be valid for 45 days beyond the validity of the tender.

9.3 Any tender not accompanied by an acceptable earnest money deposit and not secured as indicated in Sub-Clauses 9.1 and 9.2 above shall be rejected by the Employer as non-responsive.

9.4 The earnest money deposit of unsuccessful Tenderers will be returned within 30 days of the end of the tender validity period specified in Sub-Clause 8.1.

9.5 The earnest money deposit of the successful Tenderer will be discharged when the Tenderer has signed the Agreement and furnished the required Performance Security.

9.6 The earnest money deposit may be forfeited:

a). If the Tenderer withdraws the Tender after tender opening during the period of tender validity;

b). If the Tenderer does not accept the correction of the Tender Price, pursuant to Clause 19; or

c). In the case of a successful Tenderer, if the Tenderer fails within the specified time limit to

(i) sign the Agreement; or
(ii) furnish the required Security deposit

10. Format and signing of Tender

10.1 The completed bid comprising of documents indicated in ITB 12 , should be uploaded by accessing Karnataka government website "http://kppp.karnataka.gov.in" along with scanned copies of requisite certificates those are mentioned in different sections in the bid document and scanned copy of bid security / EMD in case it is provided in the form OTC, NEFT, Debit Card, & credit Card.

10.2 All the documents should be uploaded to the Karnataka public procurement portal website http://kppp.karnataka.gov.in. tenderer should take print out of the Form of Tender in the section 4 of the tenderer document on company letter head should sign, stamp and upload the same to the tender, Authenticity of the signing authority shall be furnished. With this, it is taken that tenderer has signed and submitted the tender.

10.3 The Tender shall contain no alterations or additions, except those to comply with instructions issued by the Employer, or as necessary to correct errors made by the Tenderer, in which case such corrections shall be initialed by the person signing the Tender.

D. Submission of Tenders

11. Up-loading and submission of tenders.

11.1 The tenders should be uploaded only through E- procurement website. Tender should contain.

A. Technical tender consisting of following.

a. All documents with required details in prescribed format: those are mentioned in different sections in the tender. Form of tender , declaration statement regarding customs/ Excise duty exemption for materials/ constructions equipment brought to site as mentioned in section 2 etc., shall be downloaded, filled with required details, signed, scanned and uploaded the e- procurement web site http://kppp.karnataka.gov.in on or before the time and date indicated in notification/ section -I IFT.

b. The above document along with notarized copies of documentary evidence as indicated in section – II, ITT, section- II qualification information and section IV- form of tender shall be scanned and uploaded to the website compulsory, failing which tender will be rejected in view of incomplete bid document and

B. Financial Tender consisting of Bill of Quantities

All rates for the items in the Schedule shall be posted in the work template provided in the tender document. Rates shall be entered in figures only and rates in words will be automatically generated.

11.2 deleted

11.3 Bid reference number will be automatically generated by the server.

11.4 deleted.

12. Deadline for submission of the Tenders

12.1 deleted.

12.2 The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Clause 5, in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

13. Late Tenders

13.1 The software of Karnataka public procurement website system will not allow the tenderer to up load the documents after expiration of the stipulated date & time of Bid submission. The tenderer shall refer the server time, which will be displayed in the Karnataka public procurement portal. BWSSB will not be responsible for non – receipt of bids on the stipulated date & time prescribed in clause 12, due to internet problems, improper uploading or any other related problems. In case of connectivity problems, tender may contact Helpdesk of the Karnataka public procurement portal service provider and may also draw the attention of tender inviting authority.

14. Modification and Withdrawal of Tenders

14.1 Tenderers may "modify "and with draw their tenders multiple numbers of times, until the dead line for submission of tenders by operating the relevant provision made in e- procurement Portal. If the tenderer withdraws the tender before the dead line for submission of tender and later if he is interested to submit the tender once again, may do so within the stipulated date & time as mentioned in clause 12.in this case within the stipulated date & time, the tenderer can once again submit the requisition to the officer inviting tenders for access to the withdrawn tender document for re submission. For this tenderer need not make any additional payment towards the cost of tender document. Communication of modification/ withdrawal by other means will not be accepted.

14.2 deleted

14.3 No Tender may be modified after the deadline for submission of Tenders.

14.4 Withdrawal or modification of a Tender between the deadline for submission of

Tenders and the expiration of the original period of Tender validity specified in Clause 8.1 above or as extended pursuant to Clause 8.2 may result in the forfeiture of the earnest money deposit pursuant to Clause 13.

1 4.5 Tenderers may only offer discounts for individual items by simply modifying the quoted unit price in the bill of quantities, also , tenderer may enter their overall discount, at specified location in the Bill of quantities only, by submitting tender modifications in accordance with this clause. Communication of discount by other means will not be accepted.

E. Tender opening and evaluation

6. Opening of First Cover of all Tenderers and evaluation to determine qualified Tenderers:

15.1 The Employer will open the technical details of all the Tenderers received (except those received late or withdrawn), including modifications made pursuant to Clause 14, in the presence of the Tenderers or their representatives who choose to attend at 16:00 hours on the date and the place specified. In the event of the specified date of Tender opening being declared a holiday for the Employer, the Tenders will be opened at the appointed time and location on the next working day.

15.2 WITHDRAWAL proposal submitted pursuant to Clause 14 shall be read out first and bid their bid shall not be opened.

15.3 The Tenderer names, the presence or absence of earnest money deposit (amount, format and validity), the submission of qualification information and such other information as the Employer may consider appropriate will be announced by the Employer at the opening.

15.4 The Employer shall prepare minutes of the Tender opening, including the information disclosed to those present in accordance with Sub-Clause 15.3.

15.5 The Price tenders of all the Tenderers including modifications for financial tenders cannot be opened as this programmed to open later after evaluation of the Technical details of the participating tenderers.

15.6 The Employer will evaluate and determine whether each tender (a) meets the eligibility criteria defined in ITT Clause 2; (b) is accompanied by the required earnest money deposit as per stipulations in ITT Clause and (c) meets the minimum qualification criteria stipulated in ITT Clause 3. The Employer will draw out a list of qualified Tenderers.

16. Opening of Second Cover of qualified Tenderers and evaluation:

16.1 The Employer will inform all the Qualified Tenderers the time, date and venue fixed for the opening of the priced Tenders. The Employer will open the price tender of qualified tenderers at the appointed time and date in the presence of the Tenders or their representatives who choose to attend. In the event of the specified date of price tender opening being declared a holiday for the Employer, the price tenders will be opened at the appointed time and location on the next working day.

16.2 deleted.

16.3 The Tenderers names, the Tender prices, the total amount of each Tender, any discounts, Tender modifications and withdrawals, and such other details as the Employer may consider appropriate, will be announced by the Employer at the opening. No Tender shall be rejected at Tender opening.

16.4 The Employer shall prepare minutes of the price Tender opening, including the information disclosed to those present in accordance with Sub-Clause 16.3.

17. Process to be confidential

17.1 Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.

18. Clarification of Tenders

18.1 To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders in accordance with Clause 20.

18.2 Subject to sub-clause 18.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.

18.3 Any effort by the Tenderer to influence the Employer in the Employer’s Tender evaluation, Tender comparison or contract award decisions may result in the rejection of the Tenderers’ Tender

19. Examination of Tenders and determination of responsiveness

19.1 Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender; (a) has been properly signed; and; (b) is substantially responsive to the requirements of the Tender documents like a). Form of Tender, b). Declaration statement Scanned/ uploaded (including documents those are required to be furnished as per section 2, 3 & 4 of the tender]; c). is accompanied by the required to be securities and; d). is substantially responsive to the requirements of the tendering documents.

19.2 A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Tender documents, the Employer's rights or the Tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Tenderers presenting substantially responsive Tenders

19.3 If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

20. Correction of errors:

20.1 a). Once the tenderer key in the rates in figures, in the Bill of quantities provided, the system will automatically calculate the amount of that item as well as the total bid value.

b) Where there is discrepancy between the unit rate and the line-item total resulting from multiplying the unit rate by quantity, the unit rate quoted shall govern.

20.2 deleted

21. Evaluation and comparison of Tenders

21.1 The Employer will evaluate and compare only the Tenders determined to be substantially responsive in accordance with Clause 19.

21.2 deleted;

21.3 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the Tender documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Tender evaluation.

Award of Contract

22. Award criteria

22.1 Subject to Clause 24, the Employer will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender documents and who has offered the lowest evaluated Tender Price, provided that such Tenderer has been determined to be (a) eligible in accordance with the provisions of Clause 2, and (b) qualified in accordance with the provisions of Clause 3.

23. Employer's right to accept any Tender and to reject any or all Tenders

23.1 Notwithstanding Clause 22, the Employer reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the Employer's action.

24. Notification of award and signing of Agreement

24.1 The Tenderer whose Tender has been accepted will be notified of the award by the Employer prior to expiration of the Tender validity period by cable, telex or facsimile confirmed by registered letter. This letter (hereinafter and in the Conditions of Contract called the "Letter of Acceptance") will state sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

24.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of Security deposit in accordance with the provisions of Clause 25.

24.3 The Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be kept ready for signature of the successful Tenderer in the office of Employer within 30 days following the notification of award along with the Letter of Acceptance. Within 20 days of receipt, the successful Tenderer will sign the Agreement and deliver it to the Employer.

24.4 Upon the furnishing by the successful Tenderer of the Performance Security, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful.

25. Security deposit

25.1 Within 20 days of receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Security deposit in any of the forms given below for an amount equivalent to 2% of the Contract price plus additional security of 50% for unbalanced tenders in accordance with clause 21.5 of ITT and clause 37 of the conditions of contract. A bank guarantee in the form given in Section 10

- Pay Order in favour of chairman, BWSSB payable at Bangalore .

25.2 If the security deposit is provided by the successful Tenderer in the form of a Bank Guarantee, it shall be issued either by a Nationalized/Scheduled bank.

25.3. Deleted

25.4 Failure of the successful Tenderer to comply with the requirements of Sub-Clause 25.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Earnest money deposit.

26. Corrupt or Fraudulent practices

26.1 The GOK requires that the Tenderers/Suppliers/Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, GOK.

(a). Will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.

(b). Will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a GOK contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a GOK contract.

26.2 Furthermore, Tenderers shall be aware of the provision stated in sub-clause 43.2 of
the Conditions of Contract.

Additional clause.

In case of the details of a contractor after executing the agreement / commencement of the work, his legal heir, if an eligible registered contract and willing, can execute and complete the work at the accepted tender rates irrespective of the cost of the work.

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SECTION 3: QUALIFICATION INFORMATION

The following form is to be downloaded, particular are to be filled, scanned and uploaded by the tenderer.

The information to be filled in by the Tenderer here under will be used for purposes of computing Tender capacity as provided for in Clause 3 of the Instructions to Tenderers. This information will not be incorporated in the Contract.

1.1 Constitution or legal status of Tenderer [Attach copy]

Place of Registration _____

(Attach Copy)

Principal place of business: _____

1.1 Total value of Solar on-grid power plants construction works executed and payments received in the last five years (in Rs. Lakh) [attach certificate of Chartered accountant]

2018-19 _____

2019-20 _____

2020-21 _____

2021-22 _____

2022-23_____

1.3 Work performed as Prime Contractor (in the same name) on works of similar nature over during the five years specified in 1.2 above.

Project Name	Name of Employer	Description of Work	Contract Number	Value of contract Rs. Lakh	Date of issue of work order	Specified period of completion	Actual date of completion	Remarks explaining reasons for delay in completion of work
1	2	3	4	5	6	7	8	9

1.2 Quantities of work executed as prime contractor (in the same name) during the last five years specified in 1.2 above: [to support the qualification criteria in ITT clause 3]

Year	Name of Work	Name of Employer	Quantity of work performed		Remarks (Indicate contract reference)
2017-18					
2018-19					
2019-20					
2020-21					
2021-22					

1.5 Information on works for which Tenders have been submitted and workwhich are yet to be completed as on the date of this Tender.

(A) Existing commitments and on-going works:

Description of Work	Place & State	Contract No. & Date	Name and Address of Employer	Value of Contract (Rs. Lakh)	Stipulated period of completion	Value of works remaining to be completed (Rs. Lakh)	Anticipated date of completion
1	2	3	4	5	6	7	8

(B) Works for which Tenders already submitted:

Description of Work	Place & State	Name and Address of Employer	Estimated value of works (Rs. Lakh)	Stipulated Date period of completion	when decision is expected	Remarks if any
1	2	3	4	5	6	7

1.6. The following items of equipment are considered essential for successfully carrying out the works. The Tenderer should furnish all the information listed below.

Item of Equipment	Requirement			Owned and available		Remarks
	No.	Capacity	Owned	Number/ Capacity	Age/ Condition	

1.7 Reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the last five years;

1.8 Qualification and experience of the key technical and management personnel in permanent employment with the tenderer and those that are proposed to be deployed on this contract, if awarded.

1.9. Name, address, and telephone, telex, and fax numbers of the Tenderers' bankers who may provide references if contacted by the Employer.

1.10 Evidence of access to financial resources to meet the qualification requirement specified in ITT Clause3.3 (b): Cash in hand, Letter of Credit etc. List them below and attach certificate from the Banker in the suggested format as under.

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BANKER'S CERTIFICATE

This is to certify that M/s. …….. is a reputed company with a good financial standing. If the contract for this work, namely …… (Name of the work) is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs. …… to meet the working capital requirements for executing the above contract

Sd/-
Name of the Bank,
Senior Bank Manger
Address.

1.11 Proposals for subcontracting components of works amounting to more than 20% of the contract price.

Item of Work	Value of Sub-Contract	Identified Sub-Contractor (Name and address)	Experience of similar work

1.12 Information on litigations in which the Tenderer is involved:

Other Party (ies)	Employer	Details of dispute	Amount involved	Remarks showing present status

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SECTION 4: FORMS OF TENDER, LETTER OF ACEPTANCE, NOTICE TO PROCEED WITH THE WORK AND AGREEMENT FORM

Form of Tender

[Tenderer shall down load this page, print on the letter head, fill the gaps, put the signature, scan the sheet and upload to the web site. Failing which tender will be treated as non-responsive.]

Description of the Work: Work of Supply, installation and commissioning of 80kw on grid solar power plant on top of the Suvarna Bhavana Building @ 18th cross,Malleshwaram coming under AEE(DE&PS)-2 sub division.

To

The Executive Engineer (DE & PS) Division
Bangalore Water Supply & Sewerage Board
18th cross, Margosa road, Malleswaram
Bangalore-560012.

GENTLEMEN,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price uploaded for this tender to be opened after qualification.

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Tender you receive.

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tender documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

Authorized Signature:
Name & Title of Signatory: _____
Name of Tenderer _____
Address: ----------

Letter of Acceptance

(letter head paper of the Employer)

_____[date]

To: _____[name and address of the Contractor]

Dear Sirs,

This is to notify you that your Tender dated _____ for execution of the _____[name of the contract and identification number, as given in the Instructions to Tenderers] for the Contract Price of Rupees _____ ____ _____ (_____) [amount in words and figures], as corrected and modified in accordance with the Instructions to Tenderers is hereby accepted by our Agency.

You are hereby requested to furnish Security deposit plus additional security for unbalanced tenders in terms of Clause 25.5 of ITT, in the form detailed in Clause 25.1 of ITT for an amount of Rs.———— within 20 days of the receipt of this letter of acceptance valid up to 30 days from the date of expiry of Defects Liability Period i.e. up to ..... and sign the contract, failing which action as stated in Para 25.4 of ITT will be taken.

Yours faithfully,

Authorized Signature
Name and Title of Signatory
Name of Agency

Issue of Notice to proceed with the work

(letter head of the Employer)

———— (date)

To
——————————— (name and address of the Contractor)
_____
_____

Dear Sirs:

Pursuant to your furnishing the requisite security deposit as stipulated in ITT Clause 25.1 and signing of the contract agreement for the construction of ————[name of the contract] a Tender Price of Rs.————, you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully,

Agreement Form

This agreement, made the _____day of _____20_____, between_____ ___ [name and address of Employer] (hereinafter called "the Employer") of the one part and _____ _____[name and address of contractor] (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute _____ _____ ____[name and identification number of Contract] (hereinafter called "the Works") and the Employer has accepted the Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a contract price of Rupees.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.

2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.

3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:

   i) Letter of Acceptance;
   ii) Notice to proceed with the works;
   iii) Contractor's Tender;
   iv) Contract Data;
   v) Conditions of contract (including Special Conditions of Contract);
   vi) Specifications;
   vii) Drawings;

viii) Bill of Quantities; and

ix) Any other document listed in the Contract Data as forming part of the contract.

x) Include safety conditions.

- Jurisdiction of courts/arbitration :
  The sitting of arbitration shall be held at Bangalore only and nowhere else.

- Dispute of any kind arising out of the contract shall be resolved with in jurisdiction of Bangalore city only and parties agree and clearly understand that the courts/tribunals situated at Bangalore metropolitan city of exclusive jurisdiction for the redressal of the disputes arising out of the contractor and at no other place.
- The parties further agree and understand that the place are places of issue of Bank guarantee other than Bangalore will have no jurisdiction to resolve dispute of any kind relating to enforcement of the bank guarantees submitted by the contractor at Bangalore for the execution of the contract at Bangalore.
- The contractor shall comply with all the legal requirements in the matter of employment of workmen and provide all safety gadgets to the workmen while working in the hazards place (or) conditions during the execution of the contract.
- Contractor shall be fully responsible in the event of death of employee/workmen during the execution of the work and liable to pay adequate compensation to the dependents of employee/workmen as per law.
- On his/their failure, if the board is made to pay compensation the same shall be recovered by the board from the contractor out of the amounts due to the contractor (or) by appropriate legal action.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of _____

was hereunto affixed in the presence of:

Signed, Sealed and Delivered by the said _____ _____

in the presence of:

Binding Signature of Employer _____ _____

Binding Signature of Contractor _____

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SECTION 5: CONDITIONS OF CONTRACT

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Conditions of Contract

A. General

1. Definitions

1.1 Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meanings. Bold letters are used to identify defined terms.

Bill of Quantities means the priced and completed Bill of Quantities forming part of the Tender.

Compensation events are those defined in Clause 34 here under.

The **Completion Date** is the date of completion of the Works as certified by the Employer in accordance with Sub Clause 38.1.

The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.3 below.

The **Contract Data** defines the documents and other information which comprise

the Contract.

The **Contractor** is a person or corporate body whose Tender to carry out the Works has been accepted by the Employer.

The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the
Employer.

The **Contract price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

Days are calendar days; **months** are calendar months.

A **Defect** is any part of the Works not completed in accordance with the Contract.

The **Defects liability period** is the period named in the Contract Data and calculated from the Completion Date.

The **Employer** is the party who will employ the Contractor to carry out the Works.

Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.

The **Initial Contract price** is the Contract Price listed in the Employer's Letter of Acceptance.

The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Employer by issuing an extension of time.

Materials are all supplies, including consumables, used by the contractor for incorporation in the Works.

Plant is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.

The **Site** is the area defined as such in the Contract Data.

Specification means the Specification of the Works included in the Contract and any modification or addition made or approved by the Employer.

The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Dates.

A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.

A **Variation** is an instruction given by the Employer which varies the Works.

The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

2. Interpretation

2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Employer will provide instructions clarifying queries about the Conditions of Contract.

2.2 The documents forming the Contract shall be interpreted in the following order of priority:

(1) Agreement
(2) Letter of Acceptance, notice to proceed with the works
(3) Contractor's Tender
(4) Contract Data
(5) Conditions of Contract
(6) Specifications
(7) Drawings
(8) Bill of quantities and
(9) Any other document listed in the Contract Data as forming part of the Contract.

3. Law governing contract

3.1 The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

4. Employer's decisions

4.1 Except where otherwise specifically stated, the Employer will decide contractual matters between the Employer and the Contractor.

5. Delegation

5.1 The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

6. Communications

6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7. Subcontracting

7.1 The Contractor may subcontract with the approval of the Employer but may not assign the Contract without the approval of the Employer in writing. Subcontracting does not alter the Contractor's obligations.

8. Other Contractors

8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer.

9. Personnel

9.1 The Contractor shall employ the technical personnel (of number and qualifications) as may be stipulated by GOK from time to time during the execution of the work. The technical staff so employed shall be available at site as may be stipulated by the Employer.

9.2 If the Employer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

10. Employer's and Contractor's risks

10.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

11. Employer's risks

11.1 The Employer is responsible for the excepted risks which are

(a) rebellion, riot commotion or disorder unless solely restricted to employees of the contractor or his sub-contractors arising from the conduct of the works; or

(b) a cause due solely to the design of the works, other than the contractor's design; or

(c) any operation of the forces of nature (in so far as it occurs on the site) which an experienced contractor:
   i. could not have reasonably foreseen; or
   ii. could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures;
      a. prevent loss or damage to physical property from occurring by taking appropriate measures or
      b. Insure against such loss or damage.

12. Contractor's risks

12.1 All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

13. Queries about the Contract Data

13.1 The Employer will clarify queries on the Contract Data.

14. Contractor to construct the Works

14.1 The Contractor shall construct the Works in accordance with the Specification and Drawings.

15. The Works to be completed by the Intended Completion Date

15.1 The Contractor may commence execution of the Works on the Start Date and shall carry out works in accordance with the program submitted by the contractor, as updated with approval of the employer, and complete them by the Intended Completion Date.

16. Safety

16.1 The Contractor shall be responsible for the safety of all activities on the Site.

17. Discoveries

17.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Employer of such discoveries and carry out the Employer's instructions for dealing with them.

18. Possession of the Site

18.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

19. Access to the Site

19.1 The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured / fabricated / assembled for the works.

20. Instructions

20.1 The Contractor shall carry out all instructions of the Employer which comply with the applicable laws where the Site is located.

B. Time Control

21. Program

21.1 Within the time stated in the Contract Data the Contractor shall submit to the

Employer for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the works.

21.2 The Employer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Employer again at any time. A revised Program is to show the effect of Variations and Compensation Events.

22. Extension of the Intended Completion Date

22.1 The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date.

22.2 The Employer shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Employer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information.

23. Delays ordered by the Employer

23.1 The Employer may instruct the Contractor to delay the start or progress of any activity within the Works.

24. Management meetings

24.1 The Employer may require the Contractor to attend a management meeting. The business of a management meeting shall be to review the progress achieved and the plans for remaining work.

24.2 The responsibility of the parties for actions to be taken is to be decided by the Employer either at the management meeting or after the management meeting and stated in writing to be distributed to all who attended the meeting.

C. Quality Control

25. Identifying defects

25.1 The Employer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Employer may instruct the Contractor to search for a Defect and to uncover and test any work that the Employer considers may have a Defect

26. Tests

26.1 If the Employer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

27. Correction of defects

27.1 The Employer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.

27.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Employer's notice.

28. Uncorrected defects

28.1 If the Contractor has not corrected a Defect within the time specified in the Employer's notice, the Employer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

D. Cost Control

29. Bill of Quantities (BOQ)

29.1 The BOQ shall contain items for the construction, installation, testing, and commissioning work to be done by the Contractor.

29.2 The BOQ is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the BOQ for each item

30. Variations

30.1 The Employer shall have power to order the Contractor to do any or all of the following as considered necessary or advisable during the progress of the work by him

(a) Increase or decrease of any item of work included in the Bill of Quantities (BOQ);
(b) Omit any item of work;
(c) Change the character or quality or kind of any item of work;
(d) Change the levels, lines, positions and dimensions of any part of the work;
(e) Execute additional items of work of any kind necessary for the completion of the works; and
(f) Change in any specified sequence, methods or timing of construction of any part of the work.

30.2 The Contractor shall be bound to carry out the work in accordance with any instructions in this connection, which may be given to him in writing by the Employer and such alteration shall not vitiate or invalidate the contract.

30.3 Variations shall not be made by the Contractor without an order in writing by the

Employer, provided that no order in writing shall be required for increase or decrease in the quantity of an item appearing in the BOQ so long as the work executed conforms to the approved drawings.

30.4 The Contractor shall promptly request in writing the Employer to confirm verbal orders and if no such confirmation is received within 30 days, failing which the work shall be carried out as though there is no variation. In case variation is approved, it shall be accompanied by BOQ, failing which the contractor shall be responsible for deviation, if any. Further approval of the board has to be obtained for the variation exceeding 5 %

31. Payments for Variations

31.1 Payment for increase in the quantities of an item in the BOQ up to 25% of that provided in the Bill of Quantities shall be made at the rates quoted by the Contractor.

31.2 For quantities in excess of 125% of the tendered quantity of an item as given in the BOQ, the Contractor shall be paid at the rate entered in or derived from in the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

31.3 If there is no rate for the additional, substituted or altered item of the work in the BOQ, efforts would be made to derive the rates from those given in the BOQ or the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) and if found feasible the payment would be made at the derived rate for the item plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

31.4 If the rates for additional, substituted or altered item of work cannot be determined either as at 31.1 or 31.2 or 31.3 above, the Contractor shall be requested to submit his quotation for the items supported by analysis of the rate or rates claimed, within 7 days.

31.5 If the Contractor's quotation is determined unreasonable, the Employer may order the Variation and make a change to the Contract Price which shall be based on Employer’s own forecast of the effects of the Variation on the Contractor's costs.

31.6 If the Employer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.

31.7 Under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates for items falling under this Clause.

32. Submission of bills for payment

32.1 The Contractor shall submit to the Employer monthly bills of the value of the work completed less the cumulative amount paid previously.

32.2 The Employer shall check the Contractor's bill and determine the value of the work executed which shall comprise of (i) value of the quantities of the items in the BOQ

completed and (ii) valuation of Variations and Compensation Events.

32.3 The Employer may exclude any item paid in a previous bill or reduce the proportion of any item previously paid in the light of later information

33. Payments

33.1 Payments shall be adjusted for deductions for retention, other recoveries in terms of the contract and taxes, at source, as applicable under the law. The Employer shall pay the Contractor the within 60 days of submission of bill. The contractor shall be liable to pay liquidated damages of short fall in progress. For progress beyond the agreed programme, payment is subject to availability of the grants

33.2 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

34. Compensation events

34.1 The following are Compensation events unless they are caused by the Contractor:

(a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.

(b) The Employer orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.

(c) The Employer instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.

(d) The Employer gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.

(e) The effect on the Contractor of any of the Employer's Risks.

(f) The Employer unreasonably delays issuing a Certificate of Completion.

(g) Other Compensation Events listed in the Contract Data or mentioned in the Contract.

34.2 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date is extended. The Employer shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.

34.3 As soon as information demonstrating the effect of each Compensation event upon the Contractor's forecast cost has been provided by the Contractor, it is to be assessed by the Employer and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Employer shall adjust the Contract Price based on Employer's own forecast. The Employer will assume that

the Contractor will react competently and promptly to the event.

34.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having cooperated with the Employer.

35. Tax

35.1 The rates quoted by the Contractor shall be deemed to be **exclusive** of the sales and other taxes that the Contractor will have to pay for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

36. Liquidated damages

36.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages does not affect the Contractor's liabilities.

36.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Employer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment of bill.

37. Cost of repairs

37.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

E. Finishing the Contract

38. Completion

38.1 The Contractor shall request the Employer to issue a Certificate of Completion of the Works and the Employer will do so upon deciding that the Work is completed.

39. Taking over

39.1 The Employer shall take over the Site and the Works within seven days of issuing a certificate of Completion.

40. Final account

40.1 The Contractor shall supply to the Employer a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Employer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 90 days of receiving

the Contractor's account if it is correct and complete. If it is not, the Employer shall issue within 90 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the amount payable to the Contractor and make payment within 60 days of receiving the Contractor's revised account.

41. As built drawings

41.1 If "as built" Drawings are required, the Contractor shall supply them by the dates stated in the Contract Data.

41.2 If the Contractor does not supply the Drawings by the dates stated in the Contract Data, or they do not receive the Employer's approval, the Employer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

42. Termination

42.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.

42.2 Fundamental breaches of Contract include, but shall not be limited to the following:

(a) The Contractor stops work for 45 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Employer;

(b) the Employer instructs the Contractor to delay the progress of the Works and the instruction is not withdrawn within 60 days;

(c) The Contractor becomes bankrupt or goes into liquidation other than for a reconstruction or amalgamation;

(d) A payment due to the Contractor is not paid by the Employer within 90 days of the date of the submission of the Bill by Contractor;

(e) The Employer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Employer;

(f) The Contractor does not maintain a security which is required;

(g) the Contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and

(h) If the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in the executing the Contract.

For the purpose of this paragraph : "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

"Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non- competitive levels and to deprive the Borrower of the benefits of free and open competition."

42.3 When either party to the Contract gives notice of a breach of contract to the Employer for a cause other than those listed under Sub Clause 42.2 above, the Employer shall decide whether the breach is fundamental or not.

42.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.

42.5 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

43. Payment upon Termination

43.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Employer shall prepare bill for the value of the work done less advance payments received up to the date of the bill, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

43.2 If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Employer shall prepare bill for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract, and less taxes due to be deducted at source as per applicable law and make payment accordingly.

44. Property

44.1 All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a contractor's default.

45. Release from performance

45.1 If the Contract is frustrated by any event entirely outside the control of either the

Employer or the Contractor the Employer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made

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F. Special Conditions of Contract

1. Labour:

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.The Contractor shall, if required by the Employer, deliver to the Employer a return in detail, in such form and at such intervals as the Employer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Employer may require.

2. Compliance with labour regulations:

During continuance of the contract, the Contractor and his sub contractors shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, Employer shall have the right to deduct any money due to the Contractor including his amount of security deposit. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor and the Sub-Contractor in no case shall be treated as the employees of the Employer at any point of time.

3. Protection of Environment:

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the contract, the contractor and his sub-contractors shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law,

regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

4. **Training to BWSSB Staff**

Contractor to provide training to the BWSSB staff regarding maintenance of solar modules as directed by BWSSB official during the O&M period as per the contract agreement.

5. **Approved Vendor list**

Contractor to procure solar grid components for the work from the vendors as per the latest MNRE(Official memorandum) Approval List of models and Manufacturers(ALMM)list.

6. The Tenderer who participate in the bid responsible for, design, manufacture, supply, erection, testing, and commissioning and performance **warranty for a period of 5 years** including material.

7 The Tenderer should be either a body incorporated in India under the companies act, 1956 or 2013 including any amendment thereto and engaged in the business of solar power. **copy of incorporation** must furnish along with the bid.

8 The Tenderer should have valid GST **registration** certificate copy to be furnished in support.

9 The Tenderer should have installed and commissioned at least one grid connected solar PV Power Project having a capacity of not less than 64kw which should have been commissioned at least six months prior to Techno-commercial Bid Opening date. The list of projects commissioned at least six months prior to Techno-commercial bid opening date, indicating whether the project is grid connected, along with a copy of the commissioning certificate and work order/ contract/ agreement/from the client/owner shall be submitted in support of clause3.4 above.

10 Third party will be nominated by BWSSB.

11 The Tenderer should adhere to the **Renewable energy sources Department** rules and regulations as laid down by concerned authority.

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SECTION 6: CONTRACT DATA

Items marked "N/A" do not apply in this Contract.

The following documents are also part of the Contract:
Reference

The Employer is : Executive Engineer, (DE & PS) Division.
Address 18th cross, Margosa Road,
Malleshwaram, Bangalore-560012.

Name of authorized Representative: Assistant Executive Engineer, (DE&PS)-2.
Suvarna bhavana, 18th cross Malleshwaram,
Bangalore-12.

- The name and identification number of the contract is:Work of Supply, installation and commissioning of 80kw on grid solar power plant on top of the Suvarna Bhavana Building @ 18th cross, Malleshwaram coming under AEE(DE&PS)-2 sub division.
- The Works consist of : Work of Supply, installation and commissioning of 80kw on grid solar power plant on top of the Suvarna Bhavana Building @ 18th cross,Malleshwaram coming under AEE(DE&PS)-2 sub division.
- The start date shall be the date of issue of notice to proceed with the work
- The Intended Completion Date for the whole of the Works is 3 Months.
- The following documents also form part of the Contract:
- The Site Possession Date is: Immediately from the date of issue of notice to proceed with the work.
- The Site is located at: Suvarana bhavana Builidng,18th cross Malleshwaraam.
- The Defects Liability Period is 365 days
- The liquidated damages for the whole of the works are Rs.0.1% per days/delay .The maximum amount of liquidated damages for the whole of the work is ten percent of final contract price.

- The contractor shall abide by the KERC Regulations,2016 and Guidelines for Grid connectivity of Solar rooftop Photo Voltaic (SRTPV) systems installed as per KERC (implementation of Solar Rooftop Photovoltaic Power plants) Regulations,2016.

- Receipts for BESCOM fees will be submitted for reimbursement purpose.

- **Payment for the contract value is as follows:**
    - 50% on supplying of the materials as mentioned in BOQ.
    - 20% on commissioning of the work.
    - 10% on completion of BESCOM formalities.
    - 20%- 4% every year for 5 years on completion of annual maintenance period.

- The following events shall also be fundamental breach of the contract:

    - The contractor has contravened Sub-clause 7.1 and Clause 9 of CC.

- The percentage to apply to the value of the work not completed representing the Employer's additional cost for completing the works shall be 30 percent.

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SECTION 7: SPECIFICATIONS

GENERAL MECHANICAL AND ELECTRICAL WORKS

7.A.1 Applicable Codes and Specifications

Solar PV Modules/Panels

IEC 61215 and IS 14286 Design Qualification and Type Approval for Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

IEC 61701:2011 Salt Mist Corrosion Testing of Photovoltaic (PV) Modules

IEC 61853- 1:2011 / IS 16170-1:2014 Photovoltaic (PV) module performance testing and energy rating –:Irradiance and temperature performance measurements, and power Rating.

IEC 62716 Photovoltaic (PV) Modules – Ammonia (NH3) Corrosion Testing (as per the site condition like dairies, toilets etc)

IEC 61730-1,2 Photovoltaic (PV) Module Safety Qualification – Part 1: Requirementsfor Construction, Part 2: Requirements for Testing

IEC 62804 Photovoltaic (PV) modules – Test method for detection of potentialinduced degradation. IEC 62804-1: Part 1: Crystalline Silicon

Solar PV Inverters

IEC 62109 or IS : 16221 Safety of power converters for use in photovoltaic power systems – Part 1: General requirements, and Safety of power converters for usein photovoltaic power systems Part 2: Particular requirements for inverters. Safety compliance (Protection degree IP 65 or better for outdoor mounting, IP 54 or better for indoor mounting)

IS/IEC 61683 latest Photovoltaic Systems – Power conditioners: Procedure for Measuring Efficiency (10%, 25%, 50%, 75% & 90-100% Loading Conditions) (as applicable)

IEC 60068-2 /IEC 62093 (as applicable) Environmental Testing of PV System – Power Conditioners and Inverters

IEC 62116:2014/ IS16169 Utility-interconnected photovoltaic inverters - Test procedure of islanding prevention measures

Fuses

IS/IEC 60947 (Part 1, 2 & 3), EN 50521 Generalsafety requirements for connectors,switches, circuit breakers (AC/DC): 1)Low-voltage Switchgear and Control-gear, Part 1: General rules 2)Low-Voltage Switchgear and Control-gear, Part 2: Circuit Breakers 3)Low-voltage switchgear and Control-gear, Part 3: Switches, disconnectors switch-disconnectors and fuse-combination units 4) EN 50521: Connectors for photovoltaic system-Safety requirementsand tests

IEC 60269-6:2010 Low-voltage fuses - Part 6: Supplementary requirements for fuselinksfor the protection of solar photovoltaic energy systems

Solar PV Roof Mounting Structure

IS 2062/IS 4759/AA6063 T6 Material for the structure mounting

Surge Arrestors

BFC 17-102:2011/ NFC 102:2011/ IEC 62305

Lightening Protection Standard

IEC 60364-5-53/ IS 15086-5 (SPD) IEC 61643- 11:2011 Electrical installations of buildings - Part 5-53: Selection and erectionof electrical equipment - Isolation, switching and control Low-voltage surge protective devices - Part 11: Surge protective devices connected to low-voltage power systems - Requirements and test methods

Cables

IEC 60227/IS 694, IEC 60502/IS 1554 (Part 1& 2)/ IEC69947 (as applicable) General test and measuring method for PVC (Polyvinyl chloride) insulated cables (for working voltages up to and including 1100 V, andUV resistant for outdoor installation) BS EN 50618 Electric cables for photovoltaic systems (BT(DE/NOT)258), mainly for DC Cables

Earthing /Lightning

IEC 62561/IEC 60634 Series (Chemical earthing) (as applicable)

IEC 62561-1: Lightning protection system components (LPSC) - Part:Requirements for connection components IEC 62561-2: Lightning protection system components (LPSC) – Part 2:Requirements for conductors and earth electrodes IEC 62561-7: Lightning protection system components (LPSC) - Part 7:Requirements for earthing enhancing compounds

Junction Boxes

IEC 60529 Junction boxes and solar panel terminal boxes shall be of the thermo-plastic type with IP 65 or better protection for outdoor use, and IP 54 or better protection for indoor

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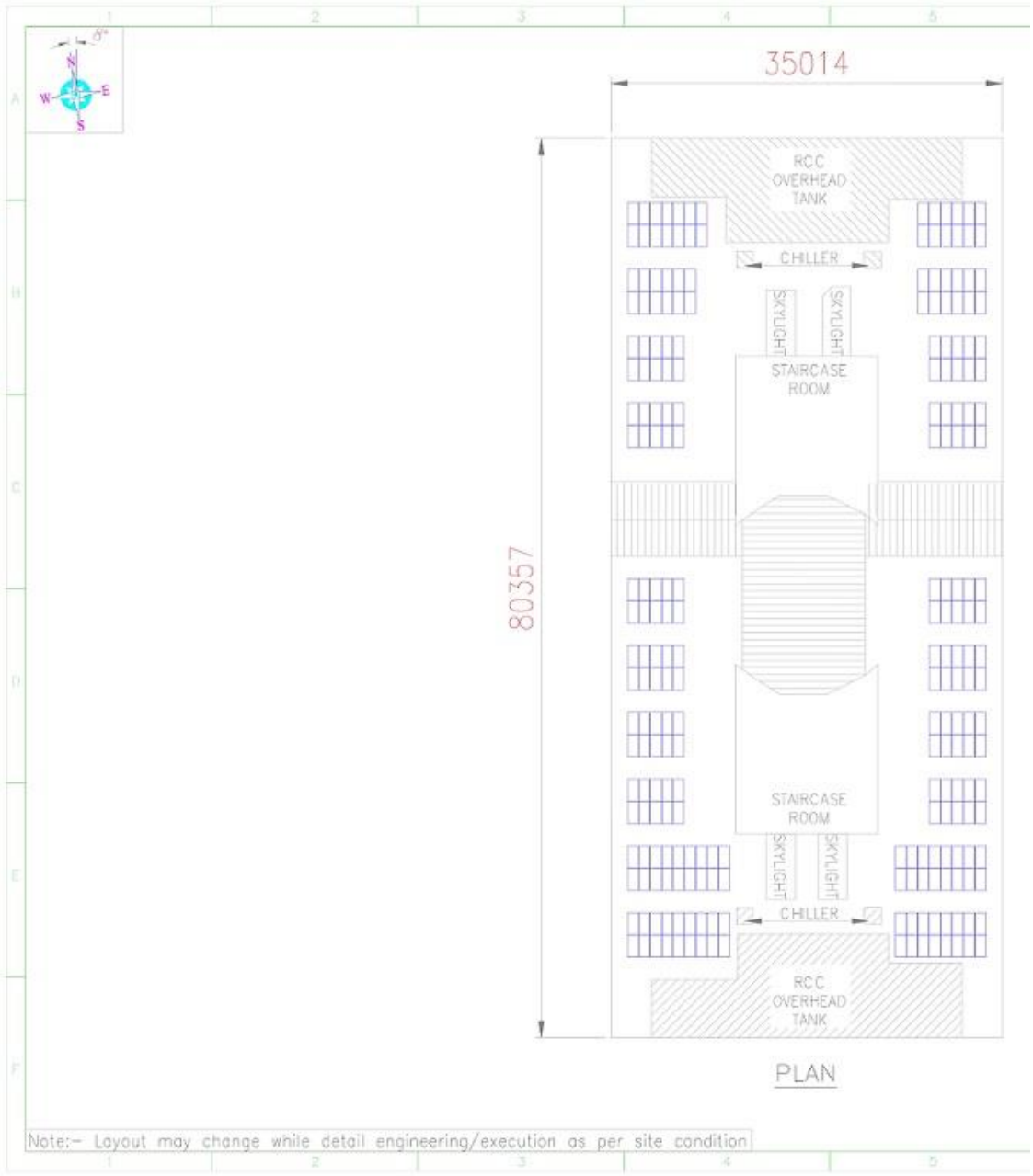
SECTION 8: DRAWINGS



SECTION 9: BILL OF QUANTITIES
(Filled in Karnataka public procurement portal)

Work of Supply, installation and commissioning of 80kw on grid solar power plant on top of the Suvarna Bhavana Building @ 18th cross, Malleshwaram coming under AEE(DE&PS)-2 sub division.

Sl	Particulars	Unit	Qty	Rate	Amount
1	Supply Installation and Commissioning of 80 kWp ,3 Phase Output on Grid Solar power plant on roof of Suvarna Bhavana Building,18th cross,Malleshwaram,Benagaluru. Solar PV cells, Module mounting structure Anodised Aluminium, AJB, Solar Inverter, ACDB/DCDB, Cables & Accessories, System Earthing, Lightning Arrestor with earthing ,Bi Directional energy meter, Unidirectional Meter	Set	1		
2	Supply of Meter cubicle and LBS	set	1		
3	Liasioning charges BESCOM and CEIG	set	1		
4	11KV Switch Yard Modification	set	1		

Note:

(1) Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities (refer: ITB Clause 7.2 and CC Clause 33.2).

(2) Unit rates and prices shall be quoted by the Tenderer in Indian Rupees.

(3) Where there is a discrepancy between the rate in figures and words, the lower of the two will govern. [ITB Clause 19.1(a)]

(4) Where there is a discrepancy between the unit rate and the line-item total resulting from multiplying the unit rate by quantity, the unit rate quoted shall govern [ITB Clause 19.1 (b)]

(5) The rates quoted by the Contractor shall be **exclusive of GST.**

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SECTION 10
FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To: _____ [name of Employer]
_____ [address of Employer]

WHEREAS _____ [name and address of Contractor] (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____ to execute _____ [name of Contract and brief description of Works] (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs._____ [amount of guarantee] Rupees_____[in words], and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of -_____ [amount of guarantee] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____
Name of Bank _____
Address _____
Date _____

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